

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 2, 2006, 15:19:36; Search time 6 Seconds
(without alignments)
3.595 Million cell updates/sec

Title: US-10-008-264A-1
Perfect score: 1608
Sequence: 1 atgggcacgtggagcggg.....ataactattttcccaactga 1608

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 0.5

Searched: 2 seqs, 6708 residues

Total number of hits satisfying chosen parameters: 4

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 2 summaries

Database: *gb*:
1: /home/njarrell/juedes264/hau49250.gb.pr.*
2: /home/njarrell/juedes264/mmu49251.gb.ro.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	317.299	19.7	2894	1 HSU49250	ACCESSION:U49250 S
2	313.999	19.5	3814	2 MMU49251	ACCESSION:U49251 S

ALIGNMENTS

RESULT 1
HSU49250
LOCUS
DEFINITION
2894 bp mRNA linear PRI 11-MAR-1996
Human putative cerebral cortex transcriptional regulator T-Brain-1
(Tbr-1) mRNA, complete cds.
ACCESSION
U49250 S78865
VERSION
U49250.1 GI:1222542
KEYWORDS
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS
Bullone,A., Smiga,S.M., Shimamura,K., Peterson,A., Puelles,L. and Rubenstein,J.L.
T-brain-1: a homolog of Brachyury whose expression defines molecularly distinct domains within the cerebral cortex
Neuron 15 (1), 63-78 (1995)
JOURNAL
MEDLINE
PUBMED
55344783
7619531
REFERENCE
2 (bases 1 to 2894)
AUTHORS
Smiga,S.M.
Direct Submission
JOURNAL
Submitted (15-FEB-1996) Susan M. Smiga, Psychiatry, UCSF, 401

COMMENT: Parnassus Avenue, SF, CA 94143, USA
On Mar 12, 1996 this sequence version replaced gi:1042025.
FEATURES
Location/Qualifiers
source
1..2894
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/tissue_type="brain"
/clone_lib="17 week fetal brain cDNA library (Stratagene)"
/dev_stages="17 week fetus"
1..2894
/gene="Tbr-1"
25..2073
/gene="Tbr-1"
/note="putative transcriptional regulator; T-box brain gene; Tes-56"
/codon_start=1
/product="T-Brain-1"
/protein_id="AAA92010.1"
/db_xref="GI:1222543"
/translation="MQLEHCLSPSMLSKFLNVSSYPHSGSSELVLHDHPIITSTD
NLERSSPLKTIKMTQNDNFDSKDSFGDVRSKLSPLVDGSELRSFDSAA
DRYLLSQSQSAATPAMFPYFGQHPAFSGSPRYMAHHPVITNGYNSL
LSNSPOGYPTAGYPOQYGHSGAPFYQSTPGVPGKAVLKNRPLMKPH
RHQTEMLITKQREMFELSNISGLDPTAHYNI FVDVILADPHNRFGGKWVPCGK
ADTNVQGNRYMHEDSPNTGNHWRQISFGKLKLTNNKGSNNNQVQLSLHYQ
PRLHVVEVNDGSDTSQPRVQTFPTETQFIATYQNTDITQLKIDHNPFAKGR
DNYDTIYTGCDMDRLTPSPNDSPRSQVPGARYAMGSLQDFVSNYAKARFHPGAG
AGPGFGTDSVPHNTGLLSPOQADPGAPSPQRWFTVPANNRLQFAASAYDATDFAG
NAATLLSYAAGVKALPLQAGCTGRPLGYVADPSGWRSPPOYCGTKSGSVLPCWP
NRAAARMAGANPVLGEAEGLAERSPLPPGAEDAKPKDLSDSWIETPSSIKSI
DSSDSGIYEQAKRRRISPADTPVSESSPLKSEVLQORDCEKNCADISGYGYFSHS

Query Match	19.7%;	Score 317.299;	DB 1;	Length 2894;
Best Local Similarity	59.5%;	Pred. No. 0;		
Matches	552;	Conservative	0;	Mismatches 367; Indels 9; Gaps 1;
QY	98	ACCGCTACTTCTACCCGGAGCCGGGGCGGACGCGGACGCGGACGCGTCCCGCGGGCGGCGCA	157	
Db	332	ATCGCTACTCTCTCTCAGTCCAGCCAGCCAGCAGTCTGCGGCCACTGCTCCAGTGCCA	391	
QY	158	GCCTGGGTCTCCCTACCGGGGGCGGCTTGTGTCGGCGCCCGCGGCGCTTCCTTG	217	
Db	392	TGTTCCCGTACCCCGGCGGACGACGCGGCGGCGGCGGCTTCTCCATCGCGAGCCTA	451	
QY	218	GAGCTACGCTACCCCGCGGACCCCGGCGGCGGCTTCCCGCGGGCGGCGGAGTCT	277	
Db	452	GCGGTAC-----ATGCCCCACACCCCGGTATCACCAACGAGCCTACACAGCC	502	
QY	278	TCCCGCGCGCGGAGCGCGAGGGCTACACGCGCGGCGGAGGCTAGCCGCCCGCGGACC	337	
Db	503	TCTGTCCAACCTCTCGCGCGGAGGATACCCACGCGCGGTACCCCTACCCAGCAGT	562	
QY	338	CGCGCGCGGCTCTACCCGGGGCGGCGTGAAGACTACGCGCTACCCCGGGAATGAGG	397	
Db	563	ACGGCCACTCTTACCAAGGAGTCCGTTCTACCAAGTCTCTCTCCACCCAGCGGGGTG	622	
QY	398	TGTCGGGAACACTGAGGTGCGCTCAACACACCTGTTGTGTGTCAGTTTATCAGC	457	
Db	623	TGCCCGGAAAGCAGCAGGTGTACTGTGCAACAGGCCCCCTTTGGCTGAAATTTTACCGGC	682	
QY	458	ACCAGACAGAGATGATCATCAACAGAGGAGCGCGGATGTTCCCATTCCTGTCATTTA	517	
Db	683	ACCAACCGAGATGATCATCAACAAACAGGAAGCGGCACTGTTCTTTTAAAGTTTA	742	
QY	518	CTGTGGCGGGCTGGAGCCCAACAGCCTACAGGATGTTTGTGGAAGTGTGTGTGG	577	
Db	743	ACATTTCTGGTCTCGATCCACCGCTCATTAACAATATTTTGTGGATGTATTTTGCGG	802	
QY	578	ACGAGCACCCTGGGCTACCAAGCGGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG	637	
Db	803	ATCCCAATCACTGGAGGTTTCAAGGAGGCAATGGGTTCTTTCGCGGCAACGAGCACC	862	

```

QY 638 GCATCCAGGAACCGCCTGTACGTCCACCGGACTCCCCCAACACAGGAGCGCACTGGA 697
Db 863 ATGTGCAAGGAAATCGGCTCTATATGTCATCGGATTCCTCCCAACACTGGGCTCACTGGA 922
QY 698 TGCAGCAGGAAGTTTCATTTGGGAACTTAAAGCTCACAAACAAAGAGGGCGTCCCAACA 757
Db 923 TCGGCAAGAAATCTCTTTGGAAATTTAAACTTACGAAACAAAGAGGACTTCAATA 982
QY 758 ATGTGACCCAGATGATGTGCTCCAGTCCCTCCATTAAGTACAGCCCCGGCTGCATATCG 817
Db 983 ACAATGGCGAGATGCTGTTTACAGTCTTTCGCAACAGTACAGCCCCGGCTGCATATGG 1042
QY 818 TTGAGGTGACAGCGAGGAGCGAGGAGCGCTGCAAGCTTCCAAACAGCATATCTTA 877
Db 1043 TGAAGTGAACGAGAGCGGACGAGGAGACATGAGCAGCCCGCGCTGAGAGCTTCA 1102
QY 878 CTTTCCAGAAACCCAGTTCATTTGCGGTGACTGCTTACGAGATGCCGAGATTAATCTCAGC 937
Db 1103 CTTTCCCTGAGACTGATTCATCGCGCTACCGCTTACGAAACAGGATATTACACAC 1162
QY 938 TGAATATGATTAATACCCCTTTGCCAAAGGATTCGGGAGAACTTTGAGTCCATGTACA 997
Db 1163 TGAATATGATCACAAACCTTTTGCAAAAGGATTTGGGATAATTATGACACGATCTACA 1222
QY 998 CATCTGTTGACACGAGTCCCTCCCTCC 1025
Db 1223 CCGGCTGTGACATGGACCGCTGACCCC 1250

RESULT 2
MMU49251 3814 bp mRNA linear ROD 11-MAR-1996
LOCUS Mus musculus putative cerebral cortex transcriptional regulator
DEFINITION T-Brain-1 (Tbr-1) mRNA, complete cds.
ACCESSION U49251 S78858
VERSION U49251.1 GI:1222544
KEYWORDS
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
REFERENCE 1 (bases 1 to 3814)
AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
TITLE 1 (bases 1 to 3814)
AUTHORS Bulfone, A., Smiga, S.M., Shimamura, K., Peterson, A., Puell, L. and
Rubenstein, J.L.
TITLE T-brain-1: a homolog of Brachyury whose expression defines
molecularly distinct domains within the cerebral cortex
JOURNAL Neuron 15 (1), 63-78 (1995)
MEDLINE 95344783
PUBMED 7619531
REFERENCE 2 (bases 1 to 3814)
AUTHORS Smiga, S.M.
TITLE Direct Submission
JOURNAL Submitted (15-FEB-1996) Susan M. Smiga, Psychiatry, UCSF, 401
Parnassus Avenue, SF, CA 94143, USA
COMMENT On Mar 12, 1996 this sequence version replaced gi:1042023.
FEATURES
Location/Qualifiers
1..3814
/organism="Mus musculus"
/mol_type="mRNA"
/strain="BALB/c"
/db_xref="taxon:10090"
/chromosomes="2"
/map="2q23-q37"
/note="First 8 base pair were sequenced from genomic"
1..3814
/gene="Tbr-1"
96..2141
/gene="Tbr-1"
/note="putative transcriptional regulator; T-box brain
gene; Tbx-56"
/codon_start=1
/product="T-Brain-1"

```

```

/protein_id="AAA92011.1"
/db_xref="GI:1222545"
/translation="MQLHCLSPSIMLSKKFLNVSYPHSGSELVLDHPIIITDD
NLERSPLEKIRGTNTGSDTDFDSDKSDPGDQVRSKLSPLVDGSELHRSFDSGAA
DRYLUSQPOSAAATAPAFSPYQSGFAPAFSPISFYSMAHPVITNGAYNSL
LNSNSPQGTATPYPOQYHSGYQAFSTOPLGPKAQYLNCRLPLWLKPFH
ADTQGVNRYVHPDSPTNGAHMROEISFGKLTNNKGSNNNGOMVVLASLHYQ
PRHVVVEUNDECTEDTSPGRVOTFTPETOFIATVQNTDITOLKIDHNPFAKFR
DNYDTITDCMDRLTPSPNDSPRSQIVPGARYAMAGSELOQFVSNYAKARHPGAG
AGPGTQDSVPHNTGLSPQAFDPGAPSPORWFTVANNRLDPAASAYDTATDFAG
NAAATLSAAAGANYPALQAGCTGRLPYADPDGSGARSFPQYCGAKSGVLPWCP
NSAAARAMAGANYPILGEAELAAERSLAPAAEDAKPKDLSDSWITPSSIKSID
SSDSGIVEQAKRRRISPADTPVSESSPLKSEVLQORCEKNCADKIDGGYGFYSHS"
Query Match 19.5%; Score 313.999; DB 2; Length 3814;
Best Local Similarity 60.8%; Pred. No. 0;
Matches 515; Conservative 0; Mismatches 335; Indels 0; Gaps 0;

```

```

QY 193 CCGCGCCCGCGAGCGCTTCTTGGAGCTACGCTACCGCGCGGAGACCCAGGCGGCC 252
Db 489 CCGCGGATCCCGCTTCTCCATCGGAGCCCGAGTCGCTACATGCGCCACACCGGTC 548
QY 253 GGCTTCCCGCGCGCGAGTCTTTCGCCGCCCGCGGACCGCGAGGGCTACCGCCG 312
Db 549 ATTACCAACGAGCTTACACAGCTGCTGTCCAACTCTTCGCCCGAGGGCTACCCACG 608
QY 313 GCGAGGGCTACCGCGCCCGGACCGCGCGCGCGGCTTACCGCGGGCGCGTGAGGAC 372
Db 609 GCGGGCTACCCCTACCCACAGCAGTAGGCGCACTCTCTACCAAGAGAGCGCCCTTTTAC 668
QY 373 TAGCGCTACCGCGGAGCTGGAGGTGTGCGGGAACCTGAGGTGCGGCTCAACCAACAC 432
Db 669 TTCTCTCCACGAGCCCGGCTTGGTCCCGGCAAGCGCAAGTATACCTGTGCAACAGG 728
QY 433 CTGTTGTGCTCAAGTTTAACTAGCACACAGAGAGATGATCATCACCAAGAGGGACGG 492
Db 729 CCACCTTGGCTGAAATTTTCATCGGCATCAACGAGAGATGATCATCAACAGGGAAGG 788
QY 493 CGGATGTCCCATCTCTGTCTATTTACTGTGCGCGGCTGAGCGCCACAGCCTACAGG 552
Db 789 CGCATGTTCCCTTTTGGAGTTTAACTTCTGTCTCGATCCCGCTCATTTACAAT 848
QY 553 ATGTTCTGAGCGGTGTTGTTGGACACAGCACACCTGCGGTACAGAGCGGCAAGTGG 612
Db 849 ATTTTGTGATGATGATTTTGGCGGATCCCAATCACTGGAGTTTCAAGGAGGCAATGG 908
QY 613 GTGAGTGTGGAAGGCGGAGGCGAGCATGCGAGAAACCGCTGTAGCTCCACCGGAC 672
Db 909 GTTCTTGTGCAAGGCGGACACCAATGTCAAGAAACCGGCTCTATATGATCCTCGGAT 968
QY 673 TCCCCCAACAGAGCGGCTGATGCGCGAGAAAGTTTTCATTTGGGAAACTAAGCTC 732
Db 969 TCCCCCAACAGTGGGCTCACTGATGCGGCAAGAAATCTCTTTTGGAAATTTAAACCTT 1028
QY 733 ACAACACAGAGGGCGTCCCAACATGTGACCCAGATGATGTGCTCCAGCTCCCTCAT 792
Db 1029 ACCAACACAGGAGCATCAACCAACAAATGGGAGATGGTGGTGTGTACAGTCTCTGAC 1088
QY 793 AAGTACAGCGCCCGCTGCTATATCTTGTGAGTGAACGACGAGAGCGGAGCGGCTGCG 852
Db 1089 AAGTACAGCGCCCGCTGCTGATGAGTGAAGTGAATGAGGATGGCAAGAGGACACAGC 1148
QY 853 AACGCTTCCACACAGCATATCTTTACTTTCCAGAAACCCAGTGTATTTGCGGTGACTGCC 912
Db 1149 CAGCGAGCGCGAGTCCAGACGTTCACTTTTCCGAGAGCTCAGTTTCATCGCTGTCACTGCC 1208
QY 913 TACGAGATGCGGAGATTACTCAGCTGAAATTTGATATTAACCTTTTCCCAAGGATTC 972
Db 1209 TACCAGAACAGGATATTACACAACTAAAAATAGATATTAACCTTTTCCCAAGGATTT 1268
QY 973 CGGAGAGAACTTTGAGTCCATGTACACATCTGTGTACACAGCATCTCTTCCCGCTCGCA 1032

```

Db 1269 CGAGATACTATGACACGATCTACACGGGCTGCGACATGGACCGCTTGACCCCGTGGCCC 1328

Qy 1033 CCCAACTGTC 1042

Db 1329 AACGACTCTC 1338

Search completed: March 2, 2006, 15:19:43
Job time : 7 secs